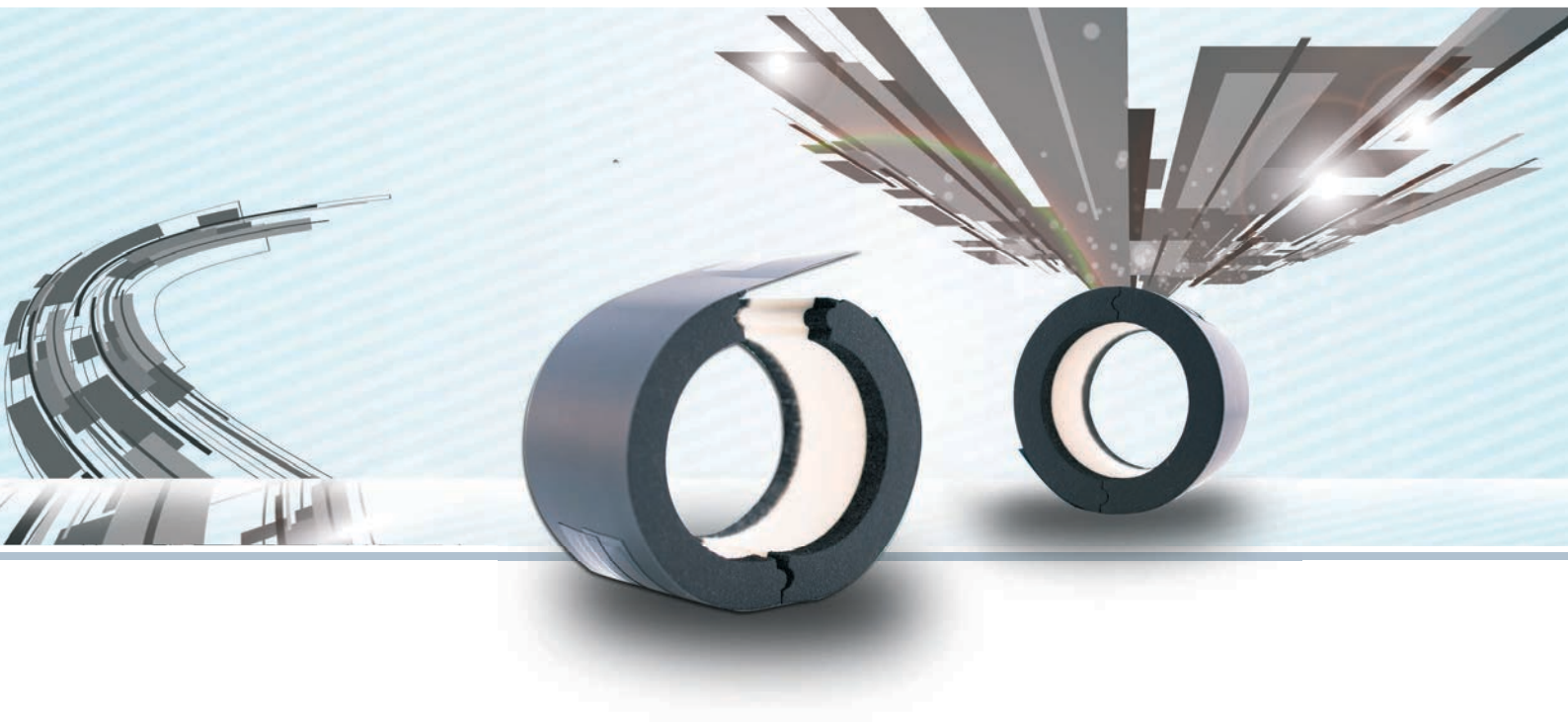


# *kaiflex*<sup>®</sup> RT ST



## Load bearing protection against thermal bridging and corrosion

Insulated load bearing pipe sections that are vapour sealed and resistant to compression, **Kaiflex RT-ST** prevents condensation, corrosion and energy loss at critical points.

Kaiflex RT-ST consists of high density, compression resistant, PIR foam sections combined with water vapour resistant Kaiflex ST Class 0 insulation and a protective outer shell covering. Load bearing pipe clamps that would tear or compress standard insulation tubes can be applied directly around Kaiflex RT-ST sections.

Fully compatible with all other Kaiflex products, Kaiflex RT-ST sections feature an interlocking design and represent a durable, reliable and visually attractive solution that prevents avoidable energy loss and helps to keep pipework free of corrosion.

- Prevents condensation and corrosion at pipe supports
- Restricts thermal bridging
- Load bearing without compression

### Kaiflex RT-ST Technical Specification

Polymer		CFC-free PUR/PIR bearing segments, embedded in Kaiflex ST	
Cell Structure		Closed Cell	
Colour		Black	
Upper Temperature Limit	pipe flat surface	+105°C +85°C	
Lower Temperature Limit		-50°C	see remark (1)
Thermal Conductivity	at -30°C	0.031 W/(m·K)	Test acc. to - EN ISO 13469 - EN ISO 12086
	at -20°C	0.032 W/(m·K)	
	at -0°C	0.034 W/(m·K)	
	at +20°C	0.036 W/(m·K)	
	at +40°C	0.038 W/(m·K)	
	at +60°C	0.040 W/(m·K)	
		In-built	
Water Vapour Resistance	Moisture Resistance Factor $\mu$	$\geq 10\ 000$	Test acc. to EN 12086 & EN 13469
Density Bearing Inserts		620 kPa	acc. to EN 826
Reaction to Fire		Self-extinguishing, does not drip	
Environmental Aspects		ODP zero GWP zero	
Outdoor applications		<b>Needs</b> protection against UV- radiation	see remark (2)

Remark (1) For temperatures between -50°C and -200°C please ask our Technical Support Team for advice.

Remark (2) Kaiflex ST Class 0 needs protection against UV-radiation. Please paint with Kaiflex KaiFinish to the recommended thickness within 3 days.



## Load bearing protection against thermal bridging and corrosion

### Kaiflex RT-ST insulated pipe support

with self-adhesive closure; CFC-free PUR/PIR load bearing inserts; embedded in Kaiflex ST Class 0

Copper Cu	Iron & Steel pipe Fe		Max. support interval m	13 mm Insulation Thickness				19 mm Insulation Thickness			
	Nom OD mm	NB inch		Nom OD mm	O.D. mm	Reference	piece / carton	O.D. mm	Reference	piece / carton	
	10	1/8	10.2	2.00	36	RT-ST-13x010	430		48	RT-ST-19x010	250
	12		12.5	2.00	38	RT-ST-13x012	385		50	RT-ST-19x012	215
	15	1/4	13.5	2.00	41	RT-ST-13x015	315		53	RT-ST-19x015	185
	18	3/8	17.2	2.25	44	RT-ST-13x018	300		56	RT-ST-19x018	175
	20			2.75					56	RT-ST-19x020	165
	22	1/2	21.3	2.75	48	RT-ST-13x022	240		60	RT-ST-19x022	140
	28	3/4	26.9	3.00	54	RT-ST-13x028	175		66	RT-ST-19x028	120
	35	1	33.7	3.50	61	RT-ST-13x035	140		73	RT-ST-19x035	95
	42	1 1/4	42.4	3.75	68	RT-ST-13x042	100		80	RT-ST-19x042	75
		1 1/2	48.3	4.25	74	RT-ST-13x048	95		86	RT-ST-19x048	60
	54		54.0	4.25	80	RT-ST-13x054	80		92	RT-ST-19x054	60
	57		57.0	4.25	83	RT-ST-13x057	75		95	RT-ST-19x057	60
		2	60.3	4.75	86	RT-ST-13x060	60		98	RT-ST-19x060	50
	64		63.5	4.75	92	RT-ST-13x064	60		104	RT-ST-19x064	45
	70		70.0	4.75	98	RT-ST-13x070	50		110	RT-ST-19x070	40
	76.1	2 1/2	76.1	5.50	104	RT-ST-13x076	45		116	RT-ST-19x076	35
	88.9	3	88.9	6.00	117	RT-ST-13x089	30		129	RT-ST-19x089	30
		3 1/2	101.6	6.00	136	RT-ST-13x102	25		142	RT-ST-19x102	23
	108		108.0	6.00	136	RT-ST-13x108	25		148	RT-ST-19x108	22
	114	4	114.3	6.00	144	RT-ST-13x114	20		156	RT-ST-19x114	50
	133		133.0	6.00	163	RT-ST-13x133	20		175	RT-ST-19x133	20
		5	139.7	6.00	170	RT-ST-13x140	20		182	RT-ST-19x140	20
	159		160.0	6.00	190	RT-ST-13x160	20		202	RT-ST-19x160	12
	168		168.3	6.00	196	RT-ST-13x168	12		208	RT-ST-19x168	12
			219.1	6.00	247	RT-ST-13x219	9		259	RT-ST-19x219	9
			273.0	6.00	301	RT-ST-13x273	5		313	RT-ST-19x273	5

- Delivery time for all Kaiflex RT-ST pipe supports: 10 working days.

### Kaiflex RT-ST insulated pipe support

with self-adhesive closure; CFC-free PUR/PIR load bearing inserts; embedded in Kaiflex ST Class O;

Copper Cu	Iron & Steel pipe Fe		Max. support interval m	25 mm Insulation Thickness			32 mm Insulation Thickness			
	Nom OD mm	NB inch		Nom OD mm	O.D. mm	Reference	piece / carton	O.D. mm	Reference	piece / carton
	10	1/8	10.2	2.00	60	RT-ST-25x010	tba	74	RT-ST-32x010	tba
	12		12.5	2.00	62	RT-ST-25x012	tba	76	RT-ST-32x012	95
	15	1/4	13.5	2.00	65	RT-ST-25x015	tba	79	RT-ST-32x015	80
	18	3/8	17.2	2.25	68	RT-ST-25x018	115	82	RT-ST-32x018	75
	20			2.75						
	22	1/2	21.3	2.75	72	RT-ST-25x022	100	86	RT-ST-32x022	60
	28	3/4	26.9	3.00	78	RT-ST-25x028	95	92	RT-ST-32x028	60
	35	1	33.7	3.50	85	RT-ST-25x035	75	99	RT-ST-32x035	50
	42	1 1/4	42.4	3.75	92	RT-ST-25x042	60	106	RT-ST-32x042	45
		1 1/2	48.3	4.25	98	RT-ST-25x048	50	112	RT-ST-32x048	40
	54		54.0	4.25	104	RT-ST-25x054	45	118	RT-ST-32x054	35
	57		57.0	4.25	107	RT-ST-25x057	tba	121	RT-ST-32x057	tba
		2	60.3	4.75	110	RT-ST-25x060	40	124	RT-ST-32x060	30
	64		63.5	4.75	116	RT-ST-25x064	30	130	RT-ST-32x064	30
	70		70.0	4.75	122	RT-ST-25x070	30	136	RT-ST-32x070	25
	76.1	2 1/2	76.1	5.50	128	RT-ST-25x076	30	142	RT-ST-32x076	25
	88.9	3	88.9	6.00	141	RT-ST-25x089	25	155	RT-ST-32x089	17
		3 1/2	101.6	6.00	154	RT-ST-25x102	tba	168	RT-ST-32x102	40
	108		108.0	6.00	160	RT-ST-25x108	15	174	RT-ST-32x108	40
	114	4	114.3	6.00	168	RT-ST-25x114	40	182	RT-ST-32x114	28
	133		133.0	6.00	187	RT-ST-25x133	tba	201	RT-ST-32x133	14
		5	139.7	6.00	194	RT-ST-25x140	20	208	RT-ST-32x140	12
	159		160.0	6.00	214	RT-ST-25x160	10	228	RT-ST-32x160	9
	168		168.3	6.00	220	RT-ST-25x168	10	234	RT-ST-32x168	9
			219.1	6.00	271	RT-ST-25x219	9	285	RT-ST-32x219	6
			273.0	6.00	325	RT-ST-25x273	5	339	RT-ST-32x273	5

### Kaiflex RT-ST flexible load bearing strips

with self-adhesive closure; CFC-free PUR/PIR load bearing inserts (120kg/m<sup>3</sup>); embedded in Kaiflex ST Class O;

Insulation Thickness mm	Width mm	Length m	Reference	piece / carton
13	75	2	RT-ST-13	12
19	100	2	RT-ST-19	10
32	100	2	RT-ST-32	6

- Delivery time for all Kaiflex ST-RT pipe supports: 10 working days.



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